

ABSTRACT

In one embodiment, a mobile station such as a dual-mode, AMPS and CDMA, handset communicates with an AMPS base station in a wireless communication system. The mobile station includes an acoustic echo canceller, which can detect acoustic echo, for example, feedback from the handset speaker to the handset microphone, during communication between the mobile station and the base station, and cancel or eliminate the acoustic echo. The mobile station also includes a network echo suppressor coupled to the acoustic echo canceller. For example, the network echo suppressor can read a parameter set by the acoustic echo canceller. The network echo suppressor attenuates or mutes a network echo caused by portions of the communication returning to the mobile station from the base station after a network propagation delay. Coupling the network echo suppressor to the acoustic echo canceller ensures proper interaction between the network echo suppressor and acoustic echo canceller.